

U.S. Patent
 Serial No. 09/188,051
 Attorney Docket No. PP-01367.002
RECEIVED
 SEP 12 2000
 TECH CENTER 1600/2500

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231-0001, on August 24, 2000.

Nancy L. Swanson
 Nancy L. Swanson

August 24, 2001
 Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SHIRLEY et al.

Serial No.: 09/188,051

Filed: November 6, 1998

Title: COMPOSITIONS PROVIDING FOR INCREASED IGF-I SOLUBILITY Group: 1654

Examiner: F. Moezie

POWER OF ATTORNEY FOR PATENT APPLICATION

Assistant Commissioner for Patents
 Washington, D.C. 20231-0001

Sir:

As assignee of record of the above-identified application, I hereby appoint the following as my attorneys or agents with full power of substitution to prosecute this application and transact all business in the patent office connected therewith:

Comprising Chiron Corporation, Emeryville, CA:

Robert P. Blackburn
 Alisa A. Harbin
 David P. Lentini
 Lisa A. Alexander

Reg. No. 30,447
 Reg. No. 33,895
 Reg. No. 33,944
 Reg. No. 41,476

Joseph H. Guth
 Charlene A. Launer
 Kimberlin L. Morley
 Anne S. Dollard

Reg. No. 31,261
 Reg. No. 33,035
 Reg. No. 35,391
 Reg. No. 43,935

Comprising the firm of Alston & Bird, Raleigh, North Carolina:

<u>Name</u>	<u>Reg. No.</u>
Arroyo, Blas P.	31,319
Atkinson, William M.	33,070

Barnhardt, Jr., III, John J.	28,686
Bell, Paul B.	16,472
Bodenheimer, Jr., Stephen M.	28,932
Bradley, Kirk T.	P46,571
Broyles, Keith E.	42,365
Connor, Michael S.	34,141
Cooper, Jason	38,114
Coulter, Kathryn L.	45,889
Cunningham, Robert B.	39,647
Edwards, James C.	44,667
Elderkin, Charles B.	24,357
Elsevier, Patrick	44,668
Forstner, James A.	24,259
Fry, John P.	35,874
Gibson, Floyd A.	19,568
Gosnell, Guy R.	34,610
Griffin, III, Malvern U.	38,899
Gronholm, Gregory	32,415
Hamann, John	P45,527
Haynes, John D.	44,754
Henry, Leslie T.	45,714
Higgins, John P.	40,645
Hill, Jr., Donald M.	40,646
Huffstetler, Rachel Healey	35,038
Humphrey, Christopher M.	43,683
Jones, Larry C.	30,071
Krasnow, David M.	34,203
Lawson, Lance A.	44,862
Layton, Jr., Samuel G.	22,807


Linker, Jr., Raymond O.	26,419
Lipscomb, III, Ernest B.	24,733
Lueders, Spencer	45,915
Lupo, Dickson M.	34,864
Lyn, Kevin R.	42,818
McCarthy, Robert E.	46,044
McClelland, Todd S.	44,915
McCoy, Michael D.	28,098
McDermott, Richard M.	40,720
Meunier, Andrew T.	40,726
Moore, Cathy R.	45,764
Pedigo, Paul F.	31,650
Pendleton, Melissa B.	35,459
Prince, Edward M.	22,429
Ransom, W. Kevin	45,031
Rose, Bruce J.	37,431
Silverio, Bill	45,383
Spruill, W. Murray	32,943
Sullivan, Jr., John L.	29,593
Taulbee, George M.	35,704
Teske, David	38,337
Ward, III, Henry B.	42,212
Wasleff, John A.	36,047
Williamson, Kelly J.	P47,179
Wilson, J. Mark	45,226
Witherspoon, James A.	36,723
Young, Jeffrey	28,490
Zhang, Jay Z.	44,003

Please direct all telephone calls regarding this application to W. Murray Spruill at Alston & Bird
Law Firm: Telephone (919) 420-2200; Facsimile (919) 420-2260.

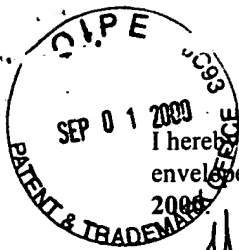
Address for ALL Correspondence:

Chiron Corporation
Intellectual Property - R440
P.O. Box 8097
Emeryville, CA 94662-8097

CHIRON CORPORATION

By: 
Charlene A. Launer
Assistant Secretary

Dated this 23rd day of August, 2000.



I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed: Assistant Commissioner of Patents, Washington, D.C. 20231-0001 on August 24, 2000.

Nancy L. Swanson
Nancy L. Swanson

August 24, 2000
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

SHIRLEY et al.

Serial No.: 09/188,051

Group Art: 1654

Filed: November 6, 1998

Examiner: F. Moezie

For: COMPOSITIONS PROVIDING FOR INCREASED IGF-I SOLUBILITY

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

CHIRON CORPORATION

(Name of Assignee)

, a

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

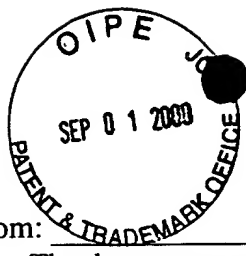
- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The patent application identified above is a Continued Prosecution Application (CPA) U.S. Patent Application No. 09/188,051, filed November 8, 1998, wherein an Assignment was recorded in the Patent and Trademark Office on February 1, 1999, at Reel 9733, Frame 0124, for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.



2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: _____ August 23, 2000

Name: _____ Charlene A. Launer

Title: _____ Assistant Secretary, CHIRON CORPORATION

Signature: _____ *Charlene A. Launer*



CC: YOUR INFORMATION

Date: 5/12/99

To: Muma

From: Joseph H. Guth
Chiron Corporation
PIAS

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 01, 1999

CHIRON CORPORATION
JOSEPH H. GUTH
INTELLECTUAL PROPERTY-R440
P.O. BOX 8097
EMERYVILLE, CA 94662-8097



100957641A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT



THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/01/1999

REEL/FRAME: 9733/0124
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHIRLEY, BRET A.

DOC DATE: 12/21/1998

ASSIGNOR:

BAJWA, KAMALJIT

DOC DATE: 12/21/1998

ASSIGNEE:

CHIRON CORPORATION
4560 HORTON STREET
EMERYVILLE, CALIFORNIA 94608-2916

SERIAL NUMBER: 09188051
PATENT NUMBER:

FILING DATE: 11/06/1998
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

COPY ONLY
DO NOT FORWARD
5/11/99 TO
JHG
1367.002
ASSIGNMENT BRANCH

02-04-1999

FEB 1



100957641

2-1-99

PATENT
USSN 09/188,051
Atty. Docket No. 1367.002

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, Attn: Box Assignments, on January 25, 1999.

Nancy L. Swanson
Nancy L. Swanson

1/25/99
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SHIRLEY, et al.

Serial No.: 09/188,051

Group Art: 1646

Filed: November 6, 1998

Examiner: Unassigned

For: COMPOSITIONS PROVIDING FOR INCREASED IGF-I SOLUBILITY

Assistant Commissioner for Patents
Washington, D.C. 20231-0001

Attn: Box Assignments

ASSIGNMENT (DOCUMENT) COVER LETTER

1. The accompanying document is an assignment executed on December 21, 1998:

X only the patent or application identified above

_____ additional patents or applications -- see attached
LIST OF APPLICATIONS/PATENTS COVERED BY ASSIGNMENT

2. Name of the party conveying the interest:

Bret A. Shirley -- Assignment, dated December 21, 1998
Kamaljit Bajwa -- Assignment, dated December 21, 1998

X only the patent or application identified above
_____ additional patents or applications -- see attached
LIST OF APPLICATIONS/PATENTS COVERED BY ASSIGNMENT

02/03/1999 SBURMS 00000166 09188051

01 FC:581

40.00 OP

1

COPY ONLY
DO NOT FORWARD
TO
ASSIGNMENT BRANCH

3. Name and address of the party receiving interest:

Chiron Corporation
4560 Horton Street
Emeryville, CA 94608-2916

4. Nature of conveyance:

 X Assignment
 Security Agreement
 Merger
 Change of Name
 Other

Execution Date: December 21, 1998.

5. Number of applications or patents covered by the assignment:

 1 x \$40.00 = TOTAL FEE: \$40.00

 X Enclosed is a check for \$40.00.

 X Assistant Commissioner is hereby authorized to charge any additional fees (or credit any overpayment) associated with this communication and which may be required under 37 CFR §1.16 or §1.17 to Deposit Account No. 03-1664. This, however, is not authorization to pay the issue fee.
A duplicate sheet is attached.

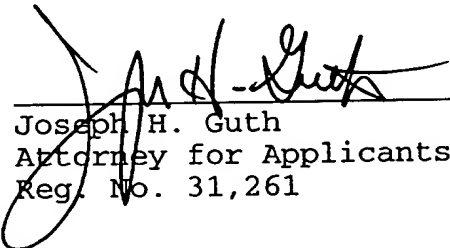
6. Please return the recorded document to:

Chiron Corporation
Intellectual Property-R440
P.O. Box 8097
Emeryville, CA 94662-8097
Attn: Joseph H. Guth

7. I hereby submit that, to the best of my knowledge and belief, the information contained herein is true and correct and any copy submitted herewith is a true and correct copy of the original document.

Respectfully submitted,

By:


Joseph H. Guth
Attorney for Applicants
Reg. No. 31,261

Date: January 25, 1999

CHIRON CORPORATION
Intellectual Property-R440
4560 Horton Street
Emeryville, CA 94608-2916
Telephone: (510) 923-3888
Facsimile: (510) 655-3542

Total Number of Pages (incl. Assignment, List or Other Documents):6

ASSIGNMENT

WHEREAS, We, **BRET A. SHIRLEY** and **KAMALJIT BAJWA**, hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **COMPOSITIONS PROVIDING FOR INCREASED IGF-I SOLUBILITY**

Date of Execution: December 21, 1998

Filing Date: November 6, 1998

Serial No: 09/188,051

WHEREAS, **CHIRON CORPORATION**, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: BRET A. SHIRLEY

DATE 21 Dec 1998

Bret A. Shirley
Signature

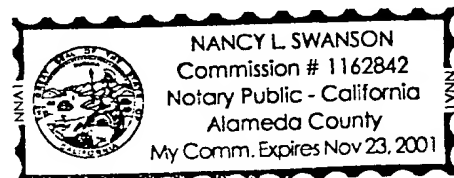
State of California

County of Alameda

On 12/21/98 before me, Nancy L. Swanson, Notary Public, personally appeared Bret A. Shirley, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

INVENTOR: KAMLJIT BAJWA

DATE 21st Dec 98

Kamljit Bajwa
Signature

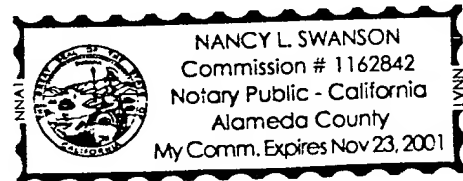
State of California

County of Alameda

On 12/21/98 before me, Nancy L. Swanson, Notary Public,
personally appeared Kamljit Bajwa personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal